**Daniel Bisgrove**

**Ph.D. Candidate, Biology (Biology & Society)**

School of Life Sciences (SOLS)

Center for Biology and Society

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RESEARCH SPECIALIZATIONS

Animal studies, animal ethics, environmental ethics, zoos, unhoused pet ownership

EDUCATION

**Ph.D. Biology (Biology & Society)**, **ASU** (4.0 GPA), *expected graduation in Summer 2025*

*Dissertation:* The Impact of Zoos on the Ethical Perspectives of Visitors, Staff, & Society

 *Committee:* Ben Minteer (Advisor), Jim Collins, Megha Budruk, & Joe Mendelson

 Graduate Certificate in Social Science Research Methods

Graduate Certificate in Scientific Teaching in Higher Education

 Graduate Certificate in Environmental Communication and Leadership

 Graduate Certificate in Nonprofit Leadership & Management

**B.S. Biological Sciences (Biology & Society), ASU Barrett Honors College** (4.0 GPA), *2021*

*Honors Thesis:* Considering the Social Context of Zoo Exhibit Design History

Minor in Non-Profit Leadership and Management

Certificate in the History and Philosophy of Science

Certificate in Environmental Education

PUBLICATIONS

**Published Peer-Reviewed Research Articles**

Bisgrove, D., Wu, S., & Sheehan, C. (2024). Social determinants of pet needs among young adults

experiencing homelessness in the Southwest United States. *Journal of Social Distress and Homelessness*, 1–13. <https://doi.org/10.1080/10530789.2024.2417116>

Bisgrove, D. (2024). Delineating dingoes: Framing the domestication process as a landscape. *Biology*

*& Philosophy*, *39*(4), 19. <https://doi.org/10.1007/s10539-024-09959-9>

Bisgrove, D. (2024). Addressing leisure interest conflicts surrounding the transgressive human-

animal relationships of unhoused people and their pets. *World Leisure Journal*, *66*(4), 538–558.

<https://doi.org/10.1080/16078055.2024.2323008>

Fennell, D. … **Bisgrove, D.**, … Madrid, R. (2024). Tourism, animals & the vacant niche: A scoping

review and pedagogical agenda. *Current Issues in Tourism*, *27*(22), 3820–3848. <https://doi.org/10.1080/13683500.2023.2280704>

Bisgrove, D. (2022). Zooscape ecology: A conceptual analysis of zoos and landscape ecology.

*Landscape Ecology*, *37*(7), 1733–1745. <https://doi.org/10.1007/s10980-022-01433-9>

**Research Articles in Progress**

Bisgrove, D. (*In Preparation*)*.* Development of an environmental ethics survey scale among American zoo visitors.

Bisgrove, D. & Priebe, J. (*In Progress*). Different perspectives on humans’ obligations to animals and nature: An interview study characterizing eight survey-assigned environmental ethics.

Bisgrove, D. (*In Progress*)*.* Who does (and doesn’t) go to the zoo? An examination of environmental ethics among American zoo visitors and non-visitors.

Bisgrove, D. & Priebe, J. (*In Progress*)*.* Who works at the zoo? An examination of the environmental ethics of staff and volunteers at the Arizona-Sonora Desert Museum.

Bisgrove, D. & Priebe, J. (*In Progress*)*.* What do people learn at the zoo? Perceived impact of zoos on visitors’ environmental ethics based on interviews with visitors, non-visitors, and staff.

Bisgrove, D., et al. (*In Progress*)*.* An owner but no home? Comparison of veterinary records from the animals of unhoused pet owners, low-income housed pet owners, and a foster animal program.

Bisgrove, D., Strange, A., & Wynne, C. (*In Progress*)*.* Stories of unhoused pet owners navigating challenges, benefits, and support systems based on interviews and veterinary records.

Bisgrove, D., & Loughman, N. (*In Progress*). Evaluation of the educational, professional, and environmental ethical impact of the Phoenix Zoo’s teen volunteer programs.

**Popular Articles**

Bisgrove, D. (2023). “Why Zoos Can’t Completely Lock Down to Prevent What Happened

in Dallas.” *Slate* (February 14). <https://slate.com/technology/2023/02/dallas-zoo-security-poaching-conservation.html>

PRESENTATIONS

**Research Presentations**

“The Development of an Environmental Ethics Scale for Zoo Visitors.” Presented at the British & Irish Association of Zoos & Aquariums Research Conference at Fota Wildlife Park in Cork, Ireland. July 2024.

* Received a Highly Commended Scientific Presentation award.

“Evaluating Ethical Impact: How do Zoo Visitors Think about Animals and Nature?” Presented at the Experience Measurement session of the 17th World Leisure Congress in Dunedin, NZ. December 2023.

“Unhoused People and their Pets: Transgressive Human-Animal Relationships in Public Spaces.” Presented at the Unstructured Entanglements of Human Leisure and Non-Human Animal Life session of the 17th World Leisure Congress in Dunedin, NZ. December 2023.

“Evaluating Ethical Impact: How do Zoo Visitors Think about Animals and Nature?” Presented at ASU’s School of Life Sciences 20th Year Anniversary 3-Minute Thesis (3MT®) Competition. November 2023.

Ph.D. Prospectus Defense, “The Effect of Zoos and Aquariums on Public Environmental Ethics: An Empirical Study.” Spring 2022.

Undergraduate Honors Thesis Defense, “Considering the Social Context of Zoo Exhibit Design History.” Spring 2021.

**Poster Presentations**

“Zooscape ecology: A conceptual analysis of zoos and landscape ecology*.*”Presented at ASU’s School of Life Sciences 20th Year Anniversary Celebration Student Poster Competition. November 2023.

 “Zooscape ecology: A conceptual analysis of zoos and landscape ecology*.*”Presented at the Association of Zoos & Aquariums 2022 Annual Conference in Baltimore. August 2022.

**Outreach & Other Presentations**

Coffee & Animal Mayhem Panelist, RealTimeSTEAM at Phoenix Fan Fusion (PFF), May 2024.

* Shared coffee’s animal welfare and conservation harms and the actions that ~50 attendees could take to mitigate them.

Conservation & Rewilding in Legend of Zelda Panelist, RealTimeSTEAM at PFF, May 2024.

* Connected Zelda lore to real conservation cases and questions about appropriate rewilding efforts for ~50 attendees.

Story Slam Story-Teller. Presented at ASU’s School of Life Sciences Story Slam. April 2024.

* A studio recording of the story will be featured on an upcoming episode of the [SciChronicles Podcast](https://www.buzzsprout.com/2403391/episodes).

Graduate Student Panelist, School of Life Sciences Ambassador Program, ASU, March 2024

* Attended undergraduate student group’s meeting to provide insight about graduate school and the application process.

MEDIA

Schnebly, R. A. (2024). “[ASU grad student starts collaborative project to expand care for unhoused pet owners.](https://news.asu.edu/20240315-health-and-medicine-asu-grad-student-starts-collaborative-project-expand-care-unhoused-pet)” Arizona State University News.

HONORS AND AWARDS

**Graduate Grants & Fellowships**

JumpStart Research Grant ($495), ASU Graduate Student Government, *Fall 2024*

Dissertation Grant ($2000), ASU Graduate Student Government & Graduate College, *Fall 2024*

[Carrie Falbe Ph.D. Fellowship](https://thecollege.asu.edu/fellowships/falbe) ($2400), ASU College of Liberal Arts and Sciences, *2024-2025*

* Recognizes a Ph.D. student in the College of Liberal Arts and Sciences who demonstrates excellent academic performance, positive personal character, and integrity and is engaged in creative, collaborative research that produces societal good by addressing real-world problems.

JumpStart Research Grant ($300), ASU Graduate Student Government, *Summer 2024*

JumpStart Research Grant ($270), ASU Graduate Student Government, *Fall 2024*

Graduate College University Grant ($5000), ASU Graduate College, *Spring 2024*

**Graduate Awards**

Outstanding Research Award ($750), ASU Graduate Student Government, *Fall 2024*

Outstanding Mentorship Award ($750), ASU Graduate Student Government, *Fall 2024*

**Graduate Travel Awards**

Biology & Society Student Travel Funding ($1000), ASU Center for Biology & Society, *2023 & 2024*

Travel Grant ($950), ASU Graduate Student Government, *2022, 2023, & 2024*

Travel Award ($400), ASU School of Life Sciences, *2022, 2023 & 2024*

Travel Award ($300), ASU Graduate College, *2022, 2023, & 2024*

**Undergraduate Honors & Scholarships**

New American Presidential Scholarship ($40,000), ASU, *2018-2022*

*Summa Cum Laude* & Moeur Award, ASU, *Spring 2021*

The College of Liberal Arts and Sciences Dean’s List, ASU, *2018-2021*

POSITIONS HELD

**Teaching Positions**

Graduate Teaching Associate, ASU BIO 416 Biomedical Research Ethics, *Fall 2024*

* Large lecture course of 100+ students taught by Dr. Karin Ellison covering research principles and regulations.
* Grading student case studies and essay exams as they learn about ethical decision-making in science.

Graduate Teaching Associate & Instructor of Record, ASU BIO 610 Intro. to RCR, *Spring 2024*

* Ran and graded A and B sessions for an online course with 50 graduate students per session.
* Built on the CITI training to provide more robust and interactive activities to apply the concepts students learned.

Graduate Teaching Assistant, ASU BIO 324 Environmental Ethics, *Fall 2021, 2022, & 2023*

* Graded essay exams and increased course accessibility for Dr. Ben Minteer’s lecture-based course of 100+ students.
* Met with students during office hours and developed new assignments, including an essay on zoo ethics.

Graduate Teaching Assistant, ASU HPS 331 History of Medicine, *Summer 2022 & 2023*

* Online course taught by Dr. MacCord & Dr. Facemire covering medicine from the four humors to the modern day.
* Promptly graded and provided feedback on multiple assignments per week for a section of ~50 students.

Graduate Teaching Assistant, ASU BIO 312 Bioethics, *Spring 2022 & 2023*

* Gave a series of interactive activity-based lectures on building arguments and critiques for Dr. J. Benjamin Hurlbut.
* Led two weekly recitation discussions of ~20 students each on emerging bioethics topics such as human gene editing.
* Individually coached ~40 students as they each wrote a 7-10-page term paper on a self-selected bioethics topic.

Undergraduate Teaching Assistant for ASU HON 171/272 Honors Socratic Seminar, *2019-2020*

* Aided Dr. Van Engen in The Human Event, Barrett’s signature intensive first-year Socratic seminar.
* Led class once a semester and supported ~20 students as they wrote and revised their essays through office hours.

**Other Positions**

Curriculum Developer for ASU BIO 610 Intro. to RCR, *Summer 2024*

* Worked with Dr. Ellison to redesign a course required for all SOLS online Biology Master’s students.
* Revamped the course structure and assignments to improve accessibility, learning, and AI resilience.

Graduate Research Assistant, Dr. Ben Minteer’s *A Wilder Kingdom* Book Project, *Summer 2021*

* Assisted with and attended the [Wilder Kingdom Workshop](https://cbs.asu.edu/wilder-kingdom-workshop) at the Arizona-Sonora Desert Museum.
* Met contributors including Irus Braverman, Nigel Rothfels, Susan Clayton, Johnathon Losos, & Natasha Meuser.

Data Specialist, ASU Center for Biology & Society, *Spring 2021*

* Coordinated with partners at the [Marine Biological Laboratory](https://www.mbl.edu/) to improve their online MBL History library.
* Processed and refined large amounts of data through a variety of spreadsheets and online programs.

Curriculum Development Assistant, ASU School of Life Sciences, *Fall 2020*

* Helped Dr. Kinzig transition the Biology & Society Research Colloquium (BIO314/414) to an online format on Canvas.
* Contributed to lesson plans and course organization and created rubrics and video lectures.

Lead Community/Resident Assistant, ASU Housing, *2020-2021*

* Advocated for student staff safety to university leadership as the campus reopened during the pandemic.
* Assisted in the training and organization of a dozen immediate staff members and approximately 50 student staff.

Community/Resident Assistant, ASU Housing, *2019-2020*

* Mentored 36 first-year residents in their transition to college and fostered their work, life, and school balance.
* Served in an overnight crisis management rotation for a residential complex of 1,600 residents.

Seasonal Education Interpreter, Aquarium of the Pacific, *Summer 2019*

* Engaged guests through dynamic exhibit-specific presentations covering kelp forests, marine mammals, and coral reefs.
* Educated visitors about sustainability topics such as climate change and human population size and also led tours.

Vice President, ASU Resident Housing Association (RHA), *Spring 2019*

* Attended regular meetings with team members, supervisors, and the campus RHA general council.
* Offered a variety of in-person programs for students and provided feedback to residential partners.

CONTRACTS COMPLETED

Research Consultant, Iowa State University, *Summer 2023*

* Contracted by an NSF-funded team of researchers at ISU creating an evaluation tool for research ethics education.
* Synthesized existing research ethics education, goals, evaluation, and measure development literature for background.

Exhibit Design Consultant, Aquarium of the Pacific, *Fall 2019*

* Contracted by the director of the Aquarium of the Pacific as a consultant for a collaborative project in Mexico.
* Consolidated insights from interviews with conservation, environmental ethics, and exhibit design experts.

MENTORSHIP

Member of Committees for three ASU Barrett Honors Student Theses

* Amelie Clark, defended Fall 2023
* Joyce Priebe, defending Spring 2025
* Claire McCarthy, defending Spring 2025

PROFESSIONAL SERVICE

**ASU Community**

Vice President, ASU School of Life Sciences Graduate Executive Board, *2024-present*

* Participate in monthly meetings with SOLS Director Dr. Manley and the SOLS Graduate Programs Office.
* Provide feedback from the graduate student perspective on SOLS’ goals and programs.

Graduate Representative, ASU School of Life Sciences Graduate Programs Committee, *2023-present*

* Participate in monthly meetings of the Graduate Programs Committee to provide a graduate student perspective.
* Shared graduate students’ excitement & concerns about SOLS’ planned change to an umbrella admission process.

Events Coordinator, ASU School of Life Sciences Graduate Executive Board, *2023-present*

* Coordinate a weekly rotating happy hour that invites graduate students to come and discuss an academic paper.
* Partner with SOLS Event Staff to run events, including the SOLS Anniversary Graduate Student Poster Competition.

Graduate Student Representative, ASU SOLS Assistant Professor Search Committee, *Spring 2023*

* Participated in an interview, consolidated faculty feedback, and provided a hiring recommendation for a targeted search.

Graduate Representative, ASU’s [Ask A Biologist](https://askabiologist.asu.edu/) Advisory Board, *2022-present*

* Attend regular meetings to review Ask a Biologist’s continued growth and advise the development of future goals.
* Integrated the Phoenix Zoo with Ask a Biologist, resulting in a new board member & podcast collaboration.

Science & Society Module Aide, ASU’s BIO 181 Course, *Fall 2022*

* Worked with Dr. Karin Ellison to develop, script, and record a module and case study on environmental ethics.
* Added the module to SOLS’ general biology course, required for all biology majors, and refined it based on TA feedback.

**Peer Reviews**

Article Referee (*ad hoc*)

 *Landscape and Urban Planning*

 *Journal of Park and Recreation Administration*

 *Conservation Science and Practice*

 *Journal of Social Distress and Homelessness*

NON-ACADEMIC SERVICE

Member, Association of Zoos and Aquariums [African Vultures SAFE](http://www.raptortag.com/safe.html#:~:text=African%20vultures%20are%20now%20an%20official%20SAFE%20species.&text=Great%20news!,Botswana%2C%20Kenya%2C%20and%20Tanzania.) (Saving Animals from Extinction) Education Committee, *2022-present*

* Coordinate and regularly meet with 20+ professionals working in zoos and aquariums.
* Develop and distribute educational materials and manage regular fundraisers for *in situ* conservation research.

Operations Coordinator, [Youth Ocean Conservation Summit](http://www.yocs.org/), *2019-present*

* Coordinate regular meetings to plan an annual Summit and support partner institutions running satellite summits.
* Help manage a mini-grants program funding students to create and run community conservation projects.

Volunteer, Phoenix Zoo, *2014-present* (Total Hours: 3,100+)

* Birds Keeper Assistant, *2016-present*
* Hoofstock Keeper Assistant, *2016-2020*
* Farm Animal Husbandry, *2015-2016*
* Family Programs Volunteer, *2015-2018*
* Trail Educator and Teen Supervisor, *2014-2018*

Youth Advisory Council Member, SeaWorld & Busch Gardens Entertainment, *2017-2018*

* Acted as one of 18 council members providing input for the company on policy, programming, and marketing topics.
* Met with government officials in D.C. as a youth delegate for the Association of Zoos & Aquariums (AZA).

Wildlife Studies Intern, Audubon Species Survival Center, *Summer 2018*

* Assisted with giraffe, antelope, whooping crane, and felid husbandry, plus rehabilitation care for stranded marine life.
* Participated in emergency response protocols due to extreme weather in addition to general maintenance projects.
* Managed an AZA-commendation earning welfare evaluation and documentation project for over 200 animals.
* Completed data entry and statistical analysis for veterinary staff research in animal health and management.

Education & Animal Ambassadors Intern, Audubon Zoo, *Summer 2017*

* Supervised and trained volunteers to present education stations and to properly handle program animals.
* Assisted in the husbandry and presentation of program animals, including snakes, tarantulas, and juvenile alligators.

WORKSHOP PARTICIPATION

Ph.D. & Early Career Researcher Workshop, World Leisure Congress, *December 2023*

* Attended a day-long workshop of <30 participants to discuss academic and non-academic career paths.

ASU Masterclass for Teaching Online, *Fall 2023*

* Completed a 6-week long online workshop covering instructional technology and integrations into Canvas.

Story Telling Workshop: Crash Course in Storytelling and Coaching, [The Story Collider](https://www.storycollider.org/), *October 2023*

* Attended a small (<10 participants), 2-hour Zoom workshop with the Executive Director of The Story Collider.
* Practiced telling effective, engaging stories and learned how to coach others on how to tell stories.